Fig. 1

$$SiO_2 + HOCH_2SH = SiO_2-CH_2-SH + H_2O$$

Fig. 2

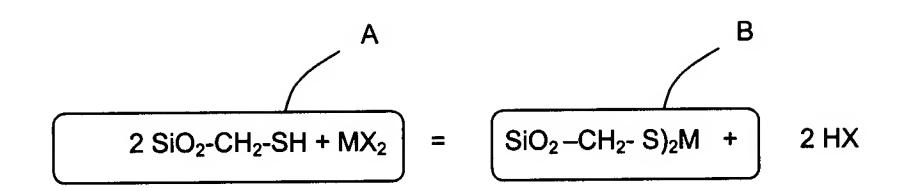


Fig. 3